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INFORMATION DISCLOSURE STATEMENT BY ARPLICANT

Complete if Known

Application Number 10/089,011

Filing Date March 25, 2002

First Named Inventor Kenneth James Bunker

Group Art Unit

Examiner Name

(use as many sheets as necessary)

Sheet four of thirteen

Attorney Docket Number 7038.3011.001

			U.S. PATENT DOCUM	MENTS	
xaminer Initials			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Unes, Where Relevant Passages or Relevant Figures Appear
HUB		2,724,252	Schmal	11-22-1955	
		2,737,033	Bendali	03-06-1956	
		2,764,261	Bridges	09-25-1956	
		3,146,860	Wilson	09-01-1964	
		3,191,735	Wavak	06-29-1965	
		3,233,704	Strain et al	02-08-1966	
		3,642,101	Hauth	02-15-1972	
		3,754,624	Eldred	08-28-1973	
		3,837,420	Kobelt	09-24-1974	
		3,844,385	Szekely	10-29-1974	
	1 1 1 1 1 1	3,861,501	Brooks et al	01-21-1975	
		3,915,272	Maurice	10-28-1975	
		4,256,209	Lupertz	03-17-1981	-11/15
		4,318,306	Fischer	03-09-1982	SCENE
		4,479,569	Kummer et al	10-30-1984	HEUL
		4,534,457	Eltze et al	08-13-1985	1 2 200
		4,576,255	Mery et al	03-18-1986	1 1111 -
1		4,673,065	Gerard et al	06-16-1987	CBOUP 3
		4,699,254	Mery	10-13-1987	CROUP
1/4		4,784,244	Carre et al	11-15-1988	ano

			•	FOREIG	N PATENT DOCU	IMENTS		
Examiner	Cite	For	eign Patent Doo		Name of Patentee	Date of Publication of	Pages, Columns, Lines,	
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Mills			00/09900		PCT	02-24-2000		
1			00/09903	WO	PCT	02-24-2000		
			00/09904	wo	PCT	02-24-2000		
			00/09905	WO	PCT	02-24-2000		·
			00/09909	WO	PCT	02-24-2000		
			00/09911	WO	PCT	02-24-2000		
			00/42332	wo	PCT	07-20-2000		
			01/03295	WO	PCT	01-11-2001		
11/1-			01/15948	wo	PCT	03-08-2001		

	Examiner Signature	M.C. GRAHAM	Date Considered	9.18.2003
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INFORMATION PISCLOSURE STATEMENT BY APPLICANT Complete if Known

Application Number 10/089,011

Filing Date March 25, 2002

First Named Inventor Kenneth James Bunker

Group Art Unit

Examiner Name

(use as many sheets as necessary)

Sheet five of thirteen

Attorney Docket Number 7038.3011.001

			U.S. PATENT DOCUM	MENTS	
Examiner Initials *	Cite No.	U.S. Patent Document Kind Code ² Number (If known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
1746		4,844,208	Casey	07-04-1989	
		4,863,000	Patel	09-05-1989	
		4,865,160	Casey	09-12-1989	
		4,865,162	Morris et al	09-12-1989	
		5,005,676	Gassiat	04-09-1991	
		5,358,079	Brown	10-25-1994	
	-	5,402,865	Harker	04-04-1995	
		5,674,026	Ishibashi et al	10-07-1997	
		6,056,089	Karlsson et al	05-02-2000	
		6,131,932	Bunker	10-17-2000	
		6,223,863	Bunker	05-01-2001	
		6,224,391	Bunker	06-12-2001	
		6,247,560	Bunker	06-19-2001	
		6,298,953	Bunker	10-09-2001	DEOFINE
ML6		6,305,510	Bunker	10-23-2001	RECENT
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726			01/33096	WO	PCT	05-10-2001		
			01/40671	WO	PCT	06-07-2001		
			01/86165	wo	PCT	11-15-2001		
			01/86167	WO	PCT	11-15-2001		
			83/01044	WO	PCT	03-31-1983		
			89/05924	WO	PCT	06-29-1989		
_		T	96/18531	wo	PCT	06-20-1996		
		†	97/30295	WO	PCT	08-21-1997		
Melo			97/20150	WO	PCT	06-05-1997		

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Complete if Known 10/089,011 Application Number March 25, 2002 Filing Date First Named Inventor Kenneth James Bunker **Group Art Unit Examiner Name** 7038.3011.001 Attorney Docket Number

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ma	4			98/25804	WO	PCT	06-18-1998		
V '9			 	98/26191	wo	PCT	06-18-1998		
-	\dashv			98/26192	wo	PCT	06-18-1998		
-	\neg			662,071		GB	11-28-1951		
-			 	949,018		GB	02-05-1964		
-				1,091,693		GB	11-22-1967		
-+	_		-	1,139,699		GB	01-08-1969		
\dashv				1,350,350		GB	04-18-1974		
11	//		 	1,396,503		GB	06-04-1975		

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				Group Art Unit		
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NCL			1530461		GB	11-01-1978		
			2015122	Α	GB	09-05-1979		
			2031538	Α	GB	04-23-1980		
			2034834	Α	GB	06-11-1980		
			2150263	Α	GB	06-26-1985		
			2156201	Α	GB	10-01-1985		-
			2164712	Α	GB	03-26-1986		
		T	2184801	A	GB	07-01-1987		
0/1/6			2307528	A	GB	05-28-1997		

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First Named Inventor

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Application Number

10/089,011

Filing Date

March 25, 2002

First Named Inventor

Group Art Unit

Examiner Name

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116	L		2320299	Α	GB	06-17-1998		
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			2320301	Α	GB	06-17-1998		
			2340561	Α	GB	02-23-2000		
			2340562	A	GB	02-23-2000		
			2340563	Α	GB	02-23-2000		
			2340564	A	GB	02-23-2000		
			2346940	Α	GB	08-23-2000		
USCA			2361969	Α	GB	11-07-2001		

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A14		"	2361970	Α	GB	11-07-2001		
7			2361971	A	GB	11-07-2001		
			2361972	A	GB	11-07-2001		
			2361973	A	GB	11-07-2001		
			1205345		GERMAN	11-18-1965		
	l	1	19810593	3 A1	GERMAN	06-10-1999		
			2039003		GERMAN	02-18-1971		
			3740373	A1	GERMAN	06-09-1988		
WILL			0096553	A1	EUROPE	12-21-1983		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet ten of thirteen

MARIN	Complete if Known				
Application Number	10/089,011				
Filing Date	March 25, 2002				
First Named Inventor	Kenneth James Bunker				
Group Art Unit					
Examiner Name					
Attorney Docket Number	7038.3011.001				

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Filing Date March 25, 2002 First Named Inventor Kenneth James Bunker **Group Art Unit** Examiner Name

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Sheet of Attorney Docket Number 7038.3011.001 eleven

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